



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : GA-40W  
Chemical Name : Guar Gum  
Chemical Family : Galactomannan  
Manufacturer : CESI Chemical (a Flotek Industries, Inc. company)  
1004 S. Plainsman Road, Marlow, OK 73055  
Emergency Phone : 1-405-282-8510  
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Phone : (580)-658-6608  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient : This product does not contain any reportable hazardous components as defined in 29 CFR 1910.1200

### 3. HAZARDS IDENTIFICATION

Human health hazards  
Acute health hazards : Irritation  
Chronic health hazards : None known  
Route(s) of entry : Eyes, skin, inhalation  
Safety hazards : None known  
Environmental hazards : This product is not classified as dangerous for the environment.

### 4. FIRST AID MEASURES

Eye : Remove contact lenses at once. Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.  
Skin : Wash affected area thoroughly with soap and water for at least 15 minutes or until product is removed. Remove contaminated clothing and launder before reuse. If irritation develops, seek medical attention.  
Inhalation : Remove to fresh air. If irritation is experienced, mouth and throat may be rinsed with water. Particles adhering to the nasal cavity may be rinsed / diluted with saline / plain water. If irritation or asthma-like symptoms persist, seek prompt medical attention.  
Ingestion : Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

### 5. FIRE FIGHTING MEASURES

Flash Point : Not applicable  
Lower Explosion Limit : Not applicable  
Upper Explosion limit : Not applicable  
Extinguishing Media : Use media appropriate for surrounding fire.  
Protective equipment : NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and turnout gear.  
Hazardous combustion products : Oxides of carbon

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear hand, eye, protective clothing and respiratory protective equipment to eliminate contact.  
General precautions : Eliminate ignition sources. Evacuate all non-essential personnel.  
Small spills : Same as for large spills.  
Large spills : Sweep up and scoop into containers for reuse or disposal. Avoid producing dust. Avoid entry of large amounts of product into sewers, natural waters and drinking water. Follow all local, state and federal regulations regarding the disposal of this material.

## 7. HANDLING AND STORAGE

- Handling : Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use with adequate ventilation. Do not take internally. Wear appropriate protective clothing and equipment during handling. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.
- Storage : Store in cool, dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure standards : Not established for the product.
- Hand protection : Nitrile rubber gloves.
- Eye protection : Safety goggles
- Respiratory protection : Dust mask or appropriate respiratory protection equipment.
- Engineering control measures : General (mechanical) room ventilation is expected to be satisfactory.
- Other : Emergency eye wash fountains and safety showers should be in the immediate vicinity of any potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Solid
- Appearance : Powder
- Color : White to tan
- Odor : Mild
- Specific Gravity : No data available
- Bulk Density : 35 lbs/ft<sup>3</sup>
- Boiling Point : Not applicable
- Freezing Point : Not applicable
- Solubility in water : Soluble (forms a gel)
- pH : Not applicable
- Percent Volatiles : Not applicable
- Vapor Pressure : Not applicable

## 10. STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Ignition sources (dust) and procedures which can produce dust.
- Hazardous polymerization : Will not occur
- Hazardous decomposition products : Oxides of carbon
- Incompatibility : Strong oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

- Acute Effects
- Eye : Practically non-toxic, but can be irritating, depending on individual sensitivity.
- Skin : Essentially non-toxic. May produce a drying effect, which can cause irritation on prolonged or repeated exposure.
- Inhalation : Dust may produce respiratory irritation and/or allergic response in some individuals.
- Ingestion : Virtually non-toxic. If large quantities are ingested, may produce a laxative effect.
- Chronic Effects : None known.
- Carcinogenicity : None of the ingredients are listed in NTP, IARC monographs or OSHA regulated.

## 12. ECOLOGICAL INFORMATION

- Environmental Fate : The product is not classified as dangerous for the environment.

## 13. DISPOSAL CONSIDERATIONS

- Waste disposal : Recycle if possible. Otherwise dispose to licensed disposal contractor.
- Product disposal : Recycle if possible. Otherwise comply with all local, state and federal regulations.
- Container disposal : Comply with all local, state and federal regulations.

**14. TRANSPORT INFORMATION**

United States D.O. T.  
DOT Shipping Name : Not Regulated  
Label(s) required : Not applicable  
Hazard Class : Not applicable  
UN/NA number : Not applicable  
Packaging group : Not applicable  
Emergency Phone : (405) 282-8510

**15. REGULATORY INFORMATION**

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Classification : Not Regulated

TSCA (USA) : All components listed.  
DSL (Canada) :

SARA Title III  
Section 302 : Extremely Hazardous Substances (40CFR355): This product does not contain ingredients listed in Appendix A and B.

Sections 311/312  
Immediate (acute) health hazard : YES  
Delayed (chronic) health hazard : NO  
Fire hazard : NO  
Sudden Release of Pressure Hazard : NO  
Reactive Hazard : NO

Section 313 Reportable Quantities : None

CERCLA  
If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling (800) 424-8802.

Reportable Quantity : Not determined for the product.

**16. OTHER INFORMATION**

NFPA 704  
Health : 0  
Fire : 0  
Reactivity : 0  
Special : None

HMIS  
Health : 0  
Fire : 0  
Reactivity : 0  
Special : None

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